BRUHAT BANGALORE MAHANAGARA PALIKE

RAJARAJESHWARI NAGAR ZONE

Drilling Borewell and Providing Pump and motor.

Sl. No.	Particulars	No.	Length	Width	Depth	Unit	Quantity	Rate	Amount
1	2	3	4	5	6	7	8	9	10
1	Sinking of Borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & ahove in all strata including over burdern upto 20 M. fixisng of casing pipes. collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,) (RWS SR P.No.36, I.No. 9.1)								
	0.00 to 50.00 mtrs	1.0	50.0			Rmtr	50.0	306.0	15300.00
	50.00 to 100.00 mtrs	1.0	50.0			Rmtr	50.0	400.0	20000.00
	100.00 to 150.00 mtrs	1.0	50.0			Rmtr	50.0	445.0	22250.00
	150.00 to 200.00 mtrs	1.0	50.0			Rmtr	50.0	470.0	23500.00
	200.00 to 250.00 mtrs	1.0	50.0			Rmtr	50.0	544.0	27200.00
	250.00 to 300.00 mtrs	1.0	50.0			Rmtr	50.0	583.00	29150.00
2	Supplying of ISI Mark 175 mm nominal bore, plain end steel casing pipe-grade of steel Fe 410, of wall thickness, 5.4 mm thick conforming to is 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open heart electric or basic oxygen process in rendom length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with a socket confirming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10 kg/mtr. (inclusive of all taxes and duties) Prices include collar madium duty. (RWS P.No.ii, I.No.53a)								
		1	45			Rmtr	45.00	1325.00	59625.00
	a) Above 20 mtrs and upto 30 mtrs. @ 15%	1	10			Rmtr	10.00	45.90	459.00
	b) Above 30 mtrs @ 30%	1	15			Rmtr	15.00	91.80	1377.00
3	175 mm M.S. B-Class Casing Collar (P.No.ii, I.No.55)								
		5				No	5.00	150.00	750.00
4	175 mm dia Casing Cap (P.No.ii, I.No.54)								
		1				No	1.00	100.00	100.00
5	Supply and delivery at site brand new submersible PUMPSET suitable for bore well of 150 mm dia and having declared duty conditions as detailed below and satisfying performances characteristics for pump and motor as declared by bureau of Indian standards. The pump should confirm to IS:8034-1970 (with all its latest amendments) and should bear the ISI mark 12.5 HP 20 stage (CRI Pumps) SR 2013-14 page XXXXII sl no 23)								
	H= 150m dish 150 LPM	1				Set	1.00	60084.36	60084.36

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	Particulars	No.	Length	Width	Depth	Unit	Quantity	Rate	Amount
	2	3	4	5	6	7	8	9	10
6	Supply and Delivery of Galvanized Mild steel tubes Heavy Class (C-Class) conforming to IS 1239-1979 PART-I/1979 with latest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with Protective cover) 50mm dia								
	50 mm dia G.I. pipe with havy duty	1.00	290.00			Mtr	290.00	375.00	108750.00
7	Submersible Cable: Supply and delivery of brand new best make PVC insulated cable of flat 3 core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm								
	=280*2+10	1.00	590.00			Mtr	590.00	81.00	47790.00
8	50 mm dia GI Collar Heavy Duty								
		1.00	48.00			No	48.00	130.00	6240.00
9	Meter and Panel Board: Supply and delivery of meter and Panel Board: Meter Board unit one number of MS Box of size 300x120mm size fabricated out of 2mm thick sheet metal with seal able door arrangement for mounting the CTS (if any) cutouts 3 phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read. Panel Board: One number of cubicle type of control panel board to operate on 50c/400/440v Upto 10 to 20 HP								
		1.00				No	1.00	11000.00	11000.00
10	50mm dia G.I. N.R. Valve								
		1.00				No	1.00	856.00	856.00
11	Erection & Commissioning of work of pumpset including aligning and balancing with all necessary erection of materials and labour including supply and erection of two pair of supporting clamps, one borewell cap, cable clips and water tight gland cable protectors, bolts nuts valves and gauges etc., all job including fixing sluice valve, non return valve etc., and connecting delivery side of pumpset to rising main etc., complete.								
		1.00				No	1.00	850.00	850.00
12	Power Capacitor: Supply and Delivery of brand new best make capacitor conforming to IS:2834-1986 with latest amendments with ISI mark of required capacity tested and approved by KPTCL authorities and erection, electrification and commissioning of the same at the location of the respective pumpsets. Supply & Delivery of best indigenous brand new MCB (Miniature Circuit Breaker) of required capacity as per IS:8828-1978 and its latest amendment with ISI mark 6/10/20/25/40 amps with sealable box with MCB 3 KVAR								
		1.00				No	1.00	460.00	460.00
13	Supplyin mm dia 2mm 2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive pase etc., and running before concreting the slab. The conduit should be tiled to the reinforcement rods by using binding wires and unused ways of junction boxes and plpe ends should be covered using PVC end enclosuers. Run with 18SWG GI fish wire wherever necessary (P- 2, 1-1)								
	(b) 25mm dia 2mm thick	1.00	10.00			Mtr	10.00	44.28	443.00
14	Supplying of TPST with rewirable porcelain channels in SM enclosure. (P-30, 1-1)								
	(b)32 amps	1.00				No	1.0	1468.80	1468.80

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	Particulars	No.	Length	Width	Depth	Unit	Quantity	Rate	Amount
1	2	3	4	5	6	7	8	9	10
15	Supplying and fixing polished wood board made of not less than 15 mm thick plan on both sides with planks made out of more than two pieces and fixing the same to the wall using wooden plugs , screws etc.,(P-30 1-2)								
	(f) 20x20x2.5	2.00				No	2.0	307.80	615.60
16	Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multistrand 2x1.5 Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet (P-3, 1-8)								
	(a) Short Point upto 3 Mtr from tapping point to outlet via switch.	1.00	1.00			Rmtr	1.00	189.00	189.00
	© Long Point above 6 Mtr. Upto 10 Mtr. From tapping point to out let via switch	1.00	1.00			Rmtr	1.00	397.44	397.44
17	Supplying 6 A flush/projected type socket and a 6Amps flush/projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required (P-6, 1-12)								
	(b)6 Amps 3/5 way	1.00				No	1.00	114.48	114.48
18	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, multis and Copper conductor single core cable in open or consealed system of wiring (P-9, 1-20)								
	Group "B" (c) 2.5 Sqmm	1.00	25.00			Rmtr	25.00	22.68	567.00
19	Supplying and fixing PBBC backelite straight or slant batten holder & wiring 60w/230 Volts lamps (P-13, 1-2)								
	Group "B"	1.00	3.00			Rmtr	3.00	60.48	181.44
20	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220 v A.C. 50 Hz 12/24v D.C. (P-38, 1-35)								
		3.00				No	3.00	464.40	1393.20
21	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tape armoured cable with PVC outer sheathing 1.1KV class (conforming to IS 1554) Class-A (P-67, 1-10)								
	e)4.0 core 16 Sqmm	1.00	12.00			Rmtr	12.00	162.00	1944.00
22	Labour charges for laying of 1.1KV class UG cable when supplied departmentally/ agency in existing trench GI pipe/ stoneware pipe/on wall/on pole as required (P-68, 1-11)								
	a) 10 Sqmm to 16 Sqmm	1.00	12.00			Rmtr	12.00	8.64	103.68
23	Digging of trench of 0.6 mtrs deepx0.5 mtrs wide refilling the trench to the required ground level and consolidating etc., complete (P-68, 1-12)								
	a) In soil (ordinary)	1.00	8.00			Rmtr	8.00	43.20	345.60

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	Particulars	No.	Length	Width	Depth	Unit	Quantity	Rate	Amount
	2	3	4	5	6	7	8	9	10
24	Supplying and fixing of class ' A' GI pipe on pole/wall/drain crossing with necessary clamping arrangement for UG cable of 1.1KV class(P-69, I-15)								
	a) 65mm (upto 150 Sqmm)	1.00	6.00			Rmtr	6.00	259.20	1555.20
25	Supplying and fixing of heay duty cable glands suitable for UG cable of 1.1KV class metal only (P-69, I-17)								
	a) 25mm dia	1.00				No	1.00	71.28	71.28
26	Supplying and fixing miniature circuit breakers on existing MCB disitribution boards using necessary fixing materials and wiring complete as required (P-34, I-13)								
	5-32 amps TPN	1.00				No	1.00	1085.40	1085.40
27	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers etc., complete (P-30, I-3) a) 32 Amps								
		5.00				No	5.00	108.00	540.00
28	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1. KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,(P-69, I-16) a) 16 Sqmm								
		1.00				No	1.00	280.60	280.60
29	Supplying, fixing, wiring, earth electrode for gounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc., the pipe shall have 16 through holes of 122mm dia (P-66, I-7)								
		1.00				No	1.00	2106.00	2106.00
30	Supplying decorative horizontal type street light fluorescent fitting weather and water proof complete with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders with 1 No. of 4 feet 40 watts fluorescent tube completely wired for use on 230/250 volts, 50 cycles AC supply with opal reeded Perspex cover at bottom complete fitting (P-17, I-6)								
	1x4' -36/40 Watts	1.00				No	1.00	1544.40	1544.40
32	Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluroscent tube street light fitting of all capacities of GI or CI or rail or RCC pole/ wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete(P-26, I-1)								
	a) Using 25mm dia GI Pipe	1.00				No	1.00	658.80	658.80

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No.	Particulars	No.	Length	Width	Depth	Unit	Quantity	Rate	Amount
1	2	3	4	5	6	7	8	9	10
33	For BESCOM Deposit Charges (As Per Actual) For Meter Etc., (Should not include in Sh B)								
	For Borewells	1.00				LS	1.00	20000.00	20000.00
								Sub Total	471346.28

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per KPWD S.R. of 2013-14.
3 The provisions were made in this estimate are necessary and adequate.
4 This work comes under B.B.M.P. limits.

Assistant Engineer
Ward no:17

Assistant Executive Engineer
Yeshwanthpura Sub Division
Bangalore

Executive Engineer
Rajarajeshwari Nagar Division
Bangalore

ADMINISTRATIVE APPROVED

Rs : 19,96,000/- (Nineteen lakh Ninety Six thousand only) accorded under the head P-2434 ..... By AC (R.R.N.) Sl.No. 2759 ..... Vide Register ..... subject to conditions ..... memo No.: RR/2759/13-14 dt. 18/01/14

AC (R.R.N.)
TA,

ನಂ.: 244 ದಿನಾಂಕ: 18/1/14

ರೂ. 19,96,000=00 Nineteen lakhs Ninety Six thousand only ..... ಗಳ ಅಂದಾಜು ..... ಆಡಳಿತಾತ್ಮಕ ಅನುಮತಿ ನೀಡಿದೆ.

Cancelled V.No 113 dt 28/6/16 Pgs: 26-27

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ರಾಜರಾಜೇಶ್ವರಿ
ನಗರ ವಿಭಾಗ, ಬೆಂಗಳೂರು

ಹಿರಿಯ ಅಭಿಯಂತರರು
ರಾಜರಾಜೇಶ್ವರಿ ನಗರ ವಲಯ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾ.

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